RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/587, 052 _____

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IFWP

RAW SEQUENCE LISTING   DATE: 08/08/2006
PATENT APPLICATION: **US/10/587,052**   TIME: 09:12:36

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Output Set: **N:\CRF4\08082006\J587052.raw**

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 6        Geraci, Mark
 7        Helfrich, Barbara
 8        Hirsch, Fred
 9        Lapadat, Razvan
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11        Witta, Samir
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and
14        Methods Related Thereto
16 <130> FILE REFERENCE: 2848-65-PCT
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/587,052
C--> 18 <141> CURRENT FILING DATE: 2006-07-24
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19 <151> PRIOR FILING DATE: 2004-01-23
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433 tctataatca cttgggtttg tacatttttg gggggagaga cacagatttt tacactaata   11940
435 tatggaccta gcttgaggca attttaatcc cctgcactag gcaggtaata ataaaggttg   12000
437 agttttccac                                                          12010
440 <210> SEQ ID NO: 2
441 <211> LENGTH: 987
442 <212> TYPE: DNA
443 <213> ORGANISM: Homo sapiens
445 <400> SEQUENCE: 2
446 ccgggatctg ctttcaatcc gccatcccat ggagcatggc atcgtcaagg attggaacga      60
448 catggaacgc atttggcaat atgtctattc taaggaccag ctgcagactt tctcagagga     120
450 gcatcctgtg ctcctgactg aggcgccttt maacccacga aaaaaccggg aacgagctgc     180
452 cgaagttttc ttcgagacct tcaatgtgcc cgctctttc atctccatgc magcygtact     240
454 cagcctttac gctacaggca ggaccacagg ggtggtgctg gattctgggg atggrgtcac     300
456 ccatgctgtg cccatctatg agggctttgc catgccccac tccatcatgc gcatcgacat     360
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: US/10/587,052   TIME: 09:12:37

Input Set : **F:\Sequence_Listing.txt**
Output Set: **N:\CRF4\08082006\J587052.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 3479,5752,9161,9185,10557,10587,10622,10624,10639,10930
Seq#:1; N Pos. 11006,11011
Seq#:6; N Pos. 467,558
Seq#:18; N Pos. 445,483,485,510,526,549,552,557
Seq#:26; N Pos. 494,509
Seq#:70; N Pos. 552
Seq#:71; N Pos. 567,578,619,636
Seq#:72; N Pos. 11,12,13,17,18
Seq#:73; N Pos. 93
Seq#:75; N Pos. 975
Seq#:78; N Pos. 5453,5767,5776,5835,5869
Seq#:79; N Pos. 2435,2436,2437,2438,2439,2440,2441,2442,2443,2444,3347,3348
Seq#:79; N Pos. 3349,3350,3351,3352,3353,3354,3355,3356,3357,3358,3359,3360
Seq#:79; N Pos. 3361,3362,3363,3364,3365,3366,3367,3368,3369,3370,3371,3372
Seq#:79; N Pos. 3373,3374,3375,3376,3377,3378,3379,3380,3381,3382,3383,3384
Seq#:79; N Pos. 3385,3386,3387,3388,3389,3390,3391,3392,3393,3394,3395,3396
Seq#:79; N Pos. 3397,3398,3399,3400,3401,3402,3403,3404,3405,3406,3407,3408
Seq#:79; N Pos. 3409,3410,3411,3412,3413,3414,3415,3416,3417,3418,3419,3420
Seq#:79; N Pos. 3421,3422,3423,3424,3425,3426,3427,3428,3429,3430,3431,3432
Seq#:79; N Pos. 3433,3434,3435,3436,3437,3438,3439,3440,3441,3442,3443,3444
Seq#:79; N Pos. 3445,3446,3447,3448,3449,3450,3451,3452,3453,3454,3455,3456
Seq#:79; N Pos. 3457,3458,3459,3460,3461,3462,3463,3464,3465,3466,3467,3468
Seq#:79; N Pos. 3469,3470,3471,3472,3473,3474,3475,3476,3477,3478,3479,3480
Seq#:79; N Pos. 3481,3482,3483,3484,3485,3486,3487,3488,3489,3490,3491,3492
Seq#:79; N Pos. 3493,3494,3495,3496,3497,3498,3499,3500,3501,3502,3503,3504
Seq#:79; N Pos. 3505,3506,3507,3508,3509,3510,3511,3512,3513,3514,3515,3516
Seq#:79; N Pos. 3517,3518,3519,3520,3521,3522,3523,3524,3525,3526,3527,3528
Seq#:79; N Pos. 3529,3530,3531,3532,3533,3534,3535,3536,3537,3538,3539,3540
Seq#:79; N Pos. 3541,3542,3543,3544,3545,3546,3547,3548,3549,3550,3551,3552
Seq#:79; N Pos. 3553,3554,3555,3556,3557,3558,3559,3560,3561,3562,3563,3564
Seq#:79; N Pos. 3565,3566,3567,3568,3569,3570,3571,3572,3573,3574,3575,3576
Seq#:79; N Pos. 3577,3578,3579,3580,3581,3582,3583,3584,3585,3586,3587,3588
Seq#:79; N Pos. 3589,3590,3591,3592,3593,3594,3595,3596,3597,3598,3599,3600
Seq#:79; N Pos. 3601,3602,3603,3604,3605,3606,3607,3608,3609,3610,3611,3612
Seq#:79; N Pos. 3613,3614,3615,3616,3617,3618,3619,3620,3621,3622,3623,3624
Seq#:79; N Pos. 3625,3626,3627,3628,3629,3630,3631,3632,3633,3634,3635,3636
Seq#:79; N Pos. 3637,3638,3639,3640,3641,3642,3643,3644,3645,3646,3647,3648
Seq#:79; N Pos. 3649,3650,3651,3652,3653,3654,3655,3656,3657,3658,3659,3660
Seq#:79; N Pos. 3661,3662,3663,3664,3665,3666,3667,3668,3669,3670,3671,3672
Seq#:79; N Pos. 3673,3674,3675,3676,3677,3678,3679,3680,3681,3682,3683,3684
Seq#:79; N Pos. 3685,3686,3687,3688,3689,3690,3691,3692,3693,3694,3695,3696
Seq#:79; N Pos. 3697,3698,3699,3700,3701,3702,3703,3704,3705,3706,3707,3708
Seq#:79; N Pos. 3709,3710,3711,3712,3713,3714,3715,3716,3717,3718,3719,3720
Seq#:79; N Pos. 3721,3722,3723,3724,3725,3726,3727,3728,3729,3730,3731,3732

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: **US/10/587,052**   TIME: 09:12:37

Input Set : **F:\Sequence_Listing.txt**
Output Set: **N:\CRF4\08082006\J587052.raw**

Seq#:79; N Pos. 3733,3734,3735,3736,3737,3738,3739,3740,3741,3742,3743,3744
Seq#:79; N Pos. 3745,3746,3747,3748,3749,3750,3751,3752,3753,3754,3755,3756
Seq#:79; N Pos. 3757,3758,3759,3760,3761,3762,3763,3764,3765,3766,3767,3768
Seq#:79; N Pos. 3769,3770,3771,3772,3773,3774,3775,3776,3777,3778,3779,3780
Seq#:79; N Pos. 3781,3782,3783,3784,3785,3786,3787,3788,3789,3790,3791,3792
Seq#:79; N Pos. 3793,3794,3795,3796,3797,3798,3799,3800,3801,3802,3803,3804
Seq#:79; N Pos. 3805,3806,3807,3808,3809,3810,3811,3812,3813,3814,3815,3816

VERIFICATION SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: **US/10/587,052**   TIME: 09:12:37

Input Set : **F:\Sequence_Listing.txt**
Output Set: **N:\CRF4\08082006\J587052.raw**

L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:3420
M:341 Repeated in SeqNo=1
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420
M:341 Repeated in SeqNo=6
L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:420
M:341 Repeated in SeqNo=18
L:2914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:480
L:6480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:540
L:6513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:540
M:341 Repeated in SeqNo=71
L:6530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:6565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:60
L:6677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:960
L:8534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:5400
M:341 Repeated in SeqNo=78
L:8719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:2400
M:341 Repeated in SeqNo=79
L:13035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:480
L:13202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:180
M:341 Repeated in SeqNo=110
L:13612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:480
L:13631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:60
M:341 Repeated in SeqNo=113
L:13738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:420
M:341 Repeated in SeqNo=116
L:13757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:13982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:480
L:14510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:600
L:14710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
L:14761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:540
M:341 Repeated in SeqNo=137
L:14848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:480
L:14883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:600
M:341 Repeated in SeqNo=141
L:14914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:360
M:341 Repeated in SeqNo=142
L:14941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:180
M:341 Repeated in SeqNo=143
L:14972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:240
M:341 Repeated in SeqNo=144
L:19355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:300
M:341 Repeated in SeqNo=149
L:19413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:60
L:19462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:600
M:341 Repeated in SeqNo=152
L:19526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:600

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Input Set : **F:\Sequence_Listing.txt**
Output Set: **N:\CRF4\08082006\J587052.raw**

L:19586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:600
L:19613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:360
L:20289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:540
L:20434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0